

Stoll

Work Order ID 135012

135012

Page 1

July 24, 2015 7:56:02 AM

Item ID: D139-799-015

Accept

N900040100

Setup Start *NS1*

Revision ID:

Item Name: Engine Wash

Stop *NS2*

Start Date: 7/24/2015 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/7/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: SK

20150724 Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
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IIN-D139-799	I
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JA

100 Document Control

0.00

100

DC

Memo

0.00

Doc.Control -USB or Paperwork

Photocopy bluefile & type labels per PPP D139-799-015
CHG005

DAS
02
9-89

JUL 28 2015

110 Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

① JA

JUL 27 2015

DAS
27
9-89

120 QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Quality Control

DAS
02
9-89

JUL 28 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐				
Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐				
Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐				
LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐				
Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Work Order ID 135012

July 24, 2015 7:56:02 AM

135012

Page 2

Item ID: D139-799-015

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N900040100Setup Start ***NS1***

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Item Name: Engine Wash

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Cust Item ID:

Required Date: 8/7/2015 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

130

0.00

130

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D139-799-015

Location: Sold

PPP rev: _____

DAS
02
9-89

JUL 28 2015

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

15/7/28

mf

15-7-28

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval				
Description Work Order Deviation				Disposition				Completed By			
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : _____											

Picklist Print

July 24, 2015 7:56:09 AM

Page 1

Work Order ID: 135012

135012

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev:B 11.07.04 new issue DD verf:JLM
 AS PER ECN 11-598 11-06-05 JLM VERF BY:DD IPP Rev:C 11.09.27
 PER CHG003 DD verf:EC IPP Rev:D 13.09.24 PER
 CHG005/ECN13-579 DD verf:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

MS21919-WDG9

Purchased

No

Each

88.0000

20

MS21919-WDG9

Clamp

**

JA

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST273A

-12

m132344

-12

ST297

100

m132344

100

20

D4121-1

Manufactured

No

110

Each

4.0000

2

2

D4121-1

Hose Assy

**

JA

JUL 27 2015

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

FG

3

114101

1

132053

2

ST214

1

132053

1

B1330B

Picklist Print

July 24, 2015 7:56:09 AM

Page 2

Work Order ID: 135012

135012

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

D4121-3 Manufactured No

110 Each

6.0000

1 1

D4121-3

Hose Assy

**

JA

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

FG

1

91535

1

ST213

3

132142

3

ST214

2

129024

2

D4121-5 Manufactured No

110 Each

7.0000

1 1

D4121-5

Hose Assy

**

JA

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST214

7

129025

1

132143

6

D4131-041 Manufactured No

110 Each

2.0000

1 1

D4131-041

Manifold Assembly

**

JA

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST093

2

129029

2

D4131-043 Manufactured No

110 Each

4.0000

1 1

D4131-043

Doubler Assembly

**

JA

JUL 27 2015

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST093

4

129028

4

July 24, 2015 7:56:10 AM

Shop Packet Print

Page 2

Picklist Print

July 24, 2015 7:56:10 AM

Page 3

Work Order ID: 135012

135012

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

D4146-1 Manufactured No

110 Each

16.0000

2 2

D4146-1

Fitting

**

JA

DAS

27

9-89

68-6

20

DAS

Location

Loc Qty

Loc Code

ST093

16

132335

16

2

D4182-1 Manufactured No

110 Each

6.0000

2 2

D4182-1

Fitting, Quick Disconnect

**

JA

DAS

27

9-89

68-6

20

DAS

Location

Loc Qty

Loc Code

ST097

6

132145

6

2

D4384-1 Manufactured No

110 Each

15.0000

1 1

D4384-1

Placard

**

JA

DAS

27

9-89

DAS

02

9-89

Location

Loc Qty

Loc Code

FG

5

80679

5

ST103

10

133324

10

1

AN526-1032R16 Purchased No

110 Each

36.0000

4 4

AN526-1032R16

Screw

**

JA

JUL 27 2015

DAS

27

9-89

DAS

02

9-89

Location

Loc Qty

Loc Code

ST326

36

m130928

36

4

July 24, 2015 7:56:10 AM

Shop Packet Print

Page 3

Picklist Print

July 24, 2015 7:56:10 AM

Page 4

Work Order ID: 135012

135012

Parent Item: D139-799-015

D139-799-015

Parent Item Name: Engine Wash

Start Date: 7/24/2015

Required Date: 8/7/2015

Start Qty: 1.00

Required Qty: 1.00

AN832-6J

Purchased

No

110

Each

9.0000

2

2

AN832-6.J

Union

**

JA

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST324

9

m132189

4

m132803

5

2

AN924-6J

Purchased

No

110

Each

10.0000

4

4

AN924-6.J

NUT

**

JA

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

FG

2

123245

2

ST322

8

m132256

8

4

NAS1149C0932R

Purchased

No

110

Each

63.0000

4

4

NAS1149C0932R

WASHER

**

JA

DAS

27

9-89

DAS
02
9-89

Location

Loc Qty

Loc Code

ST271

63

m131026

63

4

5.0 PARTS LIST

Qty -011	Qty -012	Qty -015	Qty -017	Qty -019	Qty -112	Part Number	Description
X						D139-799-011	MAINTENANCE STEP KIT, LH
	X					D139-799-012	MAINTENANCE STEP KIT, RH
		X				D139-799-015	ENGINE WASH KIT
			X			D139-799-017	CARGO FLOOR PROTECTOR KIT
				X		D139-799-019	CABIN FLOOR PROTECTOR KIT
					X	D139-799-112	MAINTENANCE STEP WITH GRAB BAR KIT, RH
			2			D3580-1	JOGGLE BRACKET
			2	8		D3628-1	CUPPED WASHER
1						D4092-041	MAINTENANCE STEP ASSEMBLY
	1					D4092-042	MAINTENANCE STEP ASSEMBLY
		2				D4121-1	HOSE ASSEMBLY
		1				D4121-3	HOSE ASSEMBLY
		1				D4121-5	HOSE ASSEMBLY
				1		D4130-1	FWD CABIN FLOOR PROTECTOR
				1		D4130-3	AFT CABIN FLOOR PROTECTOR
			1			D4130-5	FWD CARGO FLOOR PROTECTOR
			1			D4130-7	CENTER CARGO FLOOR PROTECTOR
			1			D4130-9	AFT CARGO FLOOR PROTECTOR
		1				D4131-041	MANIFOLD ASSEMBLY
		1				D4131-043	DOUBLER ASSEMBLY
		2				D4146-1	FITTING
			1			D4153-1	JOGGLE BRACKET
			1			D4153-3	JOGGLE BRACKET
				4		D4153-5	CLAMP PLATE
			2			D4166-1	PLACARD, MAX LOAD
		2				D4182-1	FITTING, QUICK DISCONNECT
		1				D4384-1	PLACARD
					1	D4526-042	MAINTENANCE STEP ASSEMBLY, RH
2	2				2	AN6H12A	BOLT
2	2				2	AN6H13A	BOLT
		4				AN526-1032R16	SCREW
		2				AN832-6J	UNION
		4				AN924-6J	NUT
		20				MS21919WDG09	CLAMP <i>Sub 7/28</i>
6	6				6	NAS1149D0663J	WASHER (or AN960JD616)
		4				NAS1149C0932R	WASHER (or AN960C916L)

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Revision: 1

Date: 14.03.06

Work Order ID 135011

July 24, 2015 7:53:17 AM

135011

Page 1

Item ID: D139-799-015

Accept

N900040100

Setup Start *NS1*

Revision ID:

Stop *NS2*

Item Name: Engine Wash

Start Date: 7/24/2015 Start Qty: 1.00 *1*

Cust Item ID:

Required Date: 8/7/2015 Req'd Qty: 1.00 *1*

Customer:

Reference:

Approvals: Process Plan: JA Date: 20150724 Tooling: _____ Date: _____
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Run Start *NR1*

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
IIN-D139-799	I

JA

100	Document Control	0.00
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100

DC

Doc.Control -USB or Paperwork

Memo 0.00

Photocopy bluefile & type labels per PPP D139-799-015
CHG005

54 2015/7/28

110	Pick Kit	0.00
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110

Packaging

Memo 0.00

QJA JUL 27 2015

QC4- 100% Inspect kits for completeness	0.00
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Memo 0.00